

IN THE CLAIMS:

Claims 1-7 (canceled)

Claim 8 (currently amended) [The] A heat sink [as described in claim 1, further] for a heat generating device, comprising:

an enclosed metal chamber in contact with said heat generating device;

a two-phase vaporizable coolant recycled in said chamber to remove heat from said heat generating device;

a flow path comprising an upper section and a lower section, said upper section and said lower section being separated by an isolation plate and connected by a conveying conduit at ends for said coolant to flow from said upper section to said lower section, said upper section being in contact with the inner top wall of said chamber for vapor condensation and heat dissipation;

said lower section functioning as pair of a recycling passage for the condensed coolant;

a wick evaporator in contact with said lower section to draw said condensed coolant from said lower section by capillary attraction force, and said coolant collected within said evaporator waiting to be vaporized by the heat from said heat generating device; and

a guiding plane mounted on top of said capillary element to allow part of coolant condensed on the inner top surface of said chamber to flow downward back to the capillary element.

Claims 9-11 (canceled).

Claim 12. (original) The heat sink as described in claim 8, wherein said guiding plate is of meshed metal.

Claims 13-15 (canceled)